

## Lyon And Sneath Are Elected Union Carbide Vice Presidents



Frank R. Lyon Jr.

Frank R. Lyon Jr. and William S. Sneath have been elected vice presidents of Union Carbide Corporation, according to an announcement from Birny Mason Jr., president. Lyon will continue to supervise the activities of the Law Department and Sneath will continue as treasurer of the corporation.

Vice president Lyon has been with Union Carbide since 1951, at which time he joined the corporate law staff. He had previously been engaged in private practice in Charleston, West Virginia. He was appointed director of the Law Department in 1963. A graduate of Colgate University where he received his BA degree, Lyon also holds an LLB from the Harvard Law School.

Sneath became associated with the corporation in 1950 in the General Accounting Department. In 1956, he moved to the Finance Department, and was appointed secretary and assistant treasurer of the corporation in 1961. Later that year he became treasurer. Sneath is an alumnus of Williams College, and holds an MBA degree from the Harvard Graduate School of Business Administration.

## Welding Society Sets Ladies Night

The Northeast Tennessee Section of the American Welding Society will hold its mid-year Ladies Night meeting next Tuesday, December 14. It will begin at the Rathskeller, Knoxville, with a social hour at 6:30, dinner at 7:15 and a technical meeting at 8 p.m.

Professor Roy B. McCauley, Ohio State University, will speak on Welding Engineering Education. He received his BS degree from Cornell University and an MS from Illinois Institute of Technology, where he rose to chair the Department of Metallurgical Engineering. Starting as an assistant professor at Ohio State University in 1950, he advanced to associate professor and chairman of the Welding Engineering Department by 1954. He was given full professorship in 1956. Professor McCauley is also active in industry, service as vice president of the McCauley Alloy Company, Chicago. His accomplishments in industry, research and education have been recognized through the midwest and the nation.

## SAFETY SCOREBOARD

The Y-12 Plant Has  
Operated  
61 Days Or  
1,652,000 Man-Hours  
(Unofficial Estimate)  
Through December 5  
Without A Disabling  
Injury  
For Daily Report  
On Accident-Free Hours  
Phone 3-7755

## Retirees' Meeting Is Set Tuesday

Union Carbide retirees and prospective retirees between the ages of 60 and 65 have been extended a personal invitation to a most important meeting. The Retirement Planning Program will hold a meeting next Tuesday, December 14, at the Oak Ridge High School Auditorium. It will begin at 7:30 p.m., Tuesday.

It will be concerned with the recent amendments under the Social Security Law, as well as an explanation of the "Medicare" Program.

In view of the importance of the subject to individuals in these age groups, it is highly recommended that retirees, or those whose retirement is imminent, attend Tuesday's meeting.

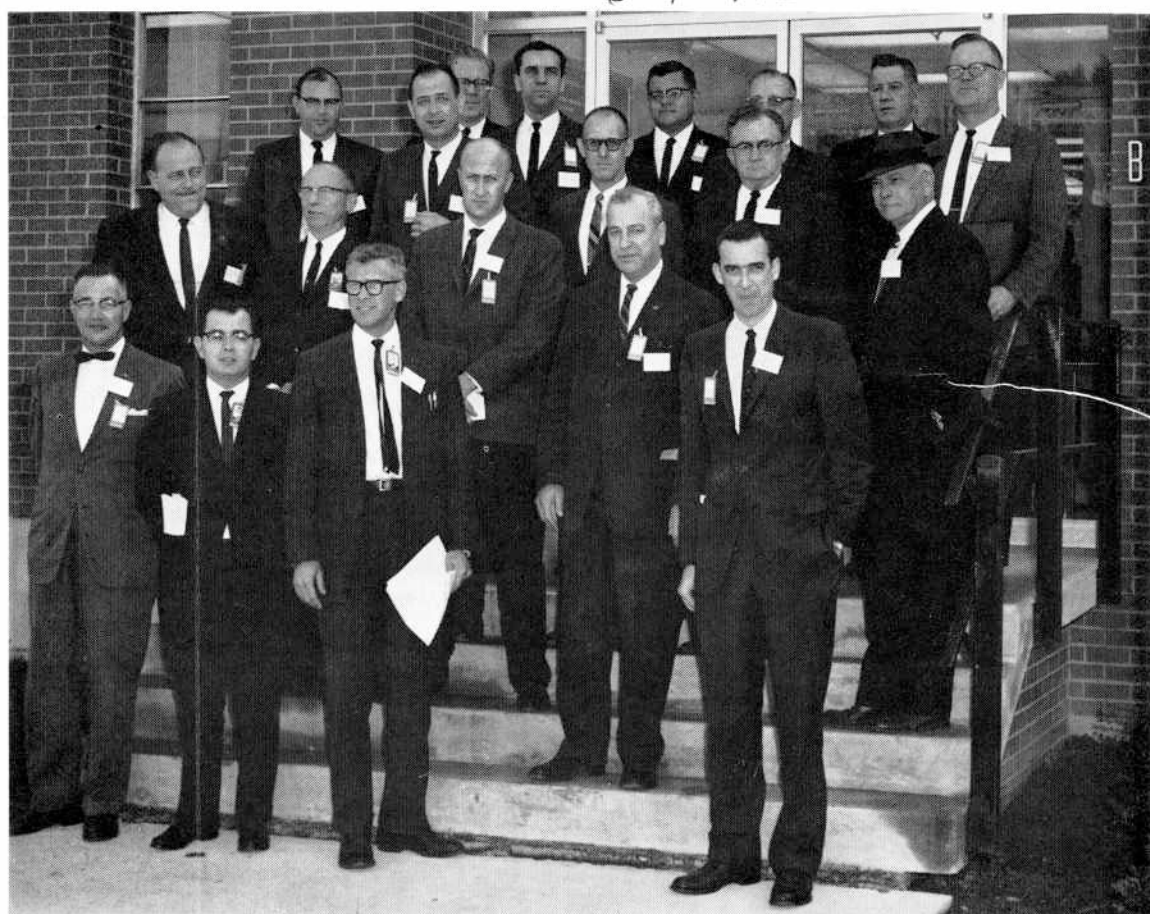
A representative from the Social Security Administration will be on hand to answer pertinent questions.

The invitation is also extended to spouses of retirees.

## Fridays Will Be Holidays For Y-12

Christmas Day and New Year's Day both fall on Saturdays . . . so as is customary the preceding Fridays will be observed as normal Holidays.

Y-12ers enjoy a total of eight holidays a year . . . New Year's Day, Washington's birthday, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving and Christmas.



THE INTER-SERVICE COMMITTEE on Technical Facilities and Capabilities visited the Y-12 Plant recently. From left, front row, are Eugene H. Woodman, Y-12's Jim Franklin and Bill Harman, Richard B. Connelly. In the second row (first step) in the center is Oscar W. Kochtitsky. On the second step are Ralph O. Lane, Burl Zimmerman, Glen M. Pruitt and Ned Williams. On the third row are James D. Womack, Jack Getsinger, Harold Falkenberry and Wyatt C. Whitley. In the back row are Howard B. Bedell, Rex Elder, John B. Nichol, Vincent Parker, Berwyn Robinson and Robert O. Sparks.

## Inter-Service Committee On Technical Facilities And Capabilities For Southeast Visits Y-12

## New Graphite Yarn To Be Fabricated

Union Carbide Corporation is building a plant in Greenville, South Carolina, to produce the strongest, stiffest material for its weight ever produced. The new graphite yarn will be manufactured by the Carbon Products Division.

Called Thornel graphite yarn, the new filament is the strongest material ever produced for its weight. Its room-temperature ratio of strength to weight is more than triple that of high-strength steel, and the modulus-to-weight ratio is about 10 times that of glass fiber. Such materials are used in aerospace, hydrospace, and aircraft structures that must have maximum strength and stiffness with minimum weight.

The new Greenville plant is currently under construction on property adjacent to an existing plant of Union Carbide's, and it is expected to be in operation by the latter part of 1966.

## Bell To Discuss Mariner IV Flight

P. R. Bell, Thermonuclear Division, will discuss "The Mariner IV Measurement of Mars," at this week's Physics Division seminar.

The seminar is set for Friday, December 10, at 3:15 p.m., in the Central Auditorium of ORNL's 4500 building.

The Inter - Service Committee on Technical Facilities and Capabilities, Southeastern U.S.A. visited in Y-12 recently. The ISCTFC was organized in 1955 to promote the cooperative use of facilities and exchange of scientific knowledge among member agencies, to facilitate accomplishment of their scientific and technical programs and to minimize duplication of effort and equipment. In order to achieve these ends, it arranges and coordinates direct inter-establishment assistance such as equipment loans, fabrication services, calculations, computer and translation services, and advisory and consultative exchanges.

William D. Harman, Plant Laboratory, is the Y-12 member on the committee.

Institutions represented on the committee include the Engineering Station of the Georgia Institute of Technology, Atlanta, Georgia; U. S. Army Engineer Waterways Experiment Station, Vicksburg, Mississippi; Bureau of Commercial Fisheries, Gear Research Station, Panama City, Florida; Oak Ridge Institute of Nuclear Studies; Oak Ridge Gaseous Diffusion Plant; Y-12; Mine Defense Laboratory, U.S. Navy, Panama City, Florida; Savannah River Laboratory, U.S. Atomic Energy Commission, Aiken, South Carolina; Oak Ridge National Laboratory; U.S. Army Missile Command, Redstone Arsenal, Alabama; Tennessee Valley Authority, Knoxville, Norris, Chattanooga, and Wilson Dam, Alabama; University of Tennessee, College of Engineering; and the George

C. Marshall Space Flight Center, Huntsville, Alabama.

While in the Oak Ridge area, the Committee visited the Experimental Gas-Cooled Reactor, the Agricultural Research Laboratory, and the Tennessee Valley Authority's Bull Run Steam Plant, the Oak Ridge Gaseous Diffusion Plant, as well as the Y-12 Plant.

S. R. Sapirie, Manager of the AEC's Oak Ridge Operations, and C. E. Larson, President of the Nuclear Division of Union Carbide, welcomed the group to the area.

The briefing session which began the group's tour of this plant was moderated by Harman. Plant Superintendent R. F. Hibbs gave a brief history and purpose of the plant. W. T. Carey headed a tour of the Metallurgical and Chemical Facilities. H. E. Alvey was guide for a tour of the Fabrication Facilities. T. E. Douglass directed the group through the Dimensional Metrology Facilities. V. C. Jackson briefed the committee on the Physical Testing Facilities; and J. C. Franklin toured the group through the Laboratory Facilities. E. F. Gambill led them through Quality Assurance and E. W. Bailey explained the plant's Research and Development Facilities.

The Committee meets quarterly and meetings are rotated among member establishments. The meetings, generally lasting a day and a half, are normally devoted to three activities: a technical session, and a tour of the facilities of the host institution.

Continued on Page 4



# The Bulletin

Published Weekly For The  
Y-12 Employees Of  
UNION CARBIDE  
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG .....Editor

Member

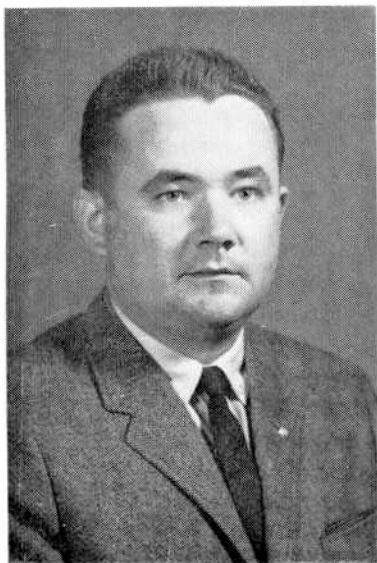


Appalachian  
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Editors'  
Association

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## Scarborough Son Is UT Graduate



Gerald H. Scarborough

Next week's graduation exercises at the University of Tennessee have special interest for the Tom Scarborough family. Their son Gerald will receive his degree in industrial engineering December 16.

Gerald, a graduate of Harriman High School, served two years in the U.S. Marine Corps at Camp LeJeune, North Carolina, before accepting employment at the Burlington and Adler Company in Rockwood. He entered UT in 1961.

The young Scarborough lives in Rockwood. His wife is the former Agnes Sue Abston.

He will continue living in Rockwood and employment with Burlington.

Thomas A. Scarborough, the father, is in Research Services.



*Katy Kutkost*  
SEZ:

Katy's address has changed. The new Building is 9723-25, telephone extension 3-5491. Send your green sheets there.

## Instrument Society To Hold Yule Party

The Oak Ridge Section of the Instrument Society of America will hold its annual Christmas party this Saturday, December 11. The soiree will be at the Senators Country Club on Alcoa Highway.

Refreshments and social hour begin at 7 p.m., with dinner at 8. Dancing in the Congressional Room from 9 p.m. on.

Check that security file before leaving.

## Credit Union To Greet All Visitors With Cookies, Coffee

The Y-12 Credit Union extends the warmest holiday greetings to its members. Y-12ers who are not members of the Credit Union are extended a hearty welcome to come by for a visit during the next two weeks.

A special table will be installed in the lobby with coffee and Christmas cookies for all visitors . . . members and non-members alike. Come by and look the handsome building over. Ask about the many services provided by the employee-owned credit organization. Service has always been the watchword of the credit union.

Continuously striving to serve its membership better, the Y-12 Credit Union has through the years added 'extras' always with the aim to serve. Homes, autos, boats, trailers, an education for junior, and many other necessities as well as luxuries have been enjoyed by Y-12ers through credit union advantages.

So, if you are not a member, stop in and discuss the advantages of belonging to a credit organization that you own. It's as simple as that. Borrowing your own money is sound economics, too.

Hours of the Y-12 Credit Union are 9 a.m. through 5:15 p.m. Monday through Friday. Special appointments may be made for financial counseling, just by calling extension 3-7204. Financial problems and solutions are discussed frankly, and in the strictest of confidences. Your business with the credit union is yours alone. No embarrassment, either. Direct, courteous advice is always the rule, rather than the exception.

The Y-12 Credit Union has continued to enjoy tremendous growth through the years. One of the proud landmarks is the beautiful office building on Lafayette Drive. But service to its membership is still a prouder landmark than all the assets, the good will, the new building, and what-have-you.

If financial problems are bothering you, seek out the free counseling. The Y-12 Credit Union can lump those bills together for you . . . and borrowing from your credit union is economical and provides many features other loan groups do not have . . . such as insurance coverage in case something should happen to you. Money owed the Credit Union is paid automatically at the time of your death or total and permanent disability without questions asked.

The Credit Union has set Thursday, January 20, aside for its annual meeting. It will be held at 7:30 p.m. at Jefferson Junior High School auditorium, here in Oak Ridge. Plan now to attend and see how the group operates openly for its members. Sound business practices, expert credit advice, simple, easy-to-obtain credit, these and many other things sound strange in a society seemingly operating on unsound business principles.

Again, Merry Christmas for each of you, from your Credit Union. Stop by and have cookies and coffee with the personnel. Whether they can be of service to you or not, they'll be most happy to see you.

## IEEE Will Hear Bell Discussion On Mars

P. R. Bell, physicist on the Sherwood Project, will address the Oak Ridge Section of the Institute of Electrical and Electronic Engineers tomorrow. The meeting is set in the Green Room of the Ridge Recreation Hall. Bell will speak on "The Surface of Mars."

Bell holds a DSc from Howard College and is a long-time resident of Oak Ridge.

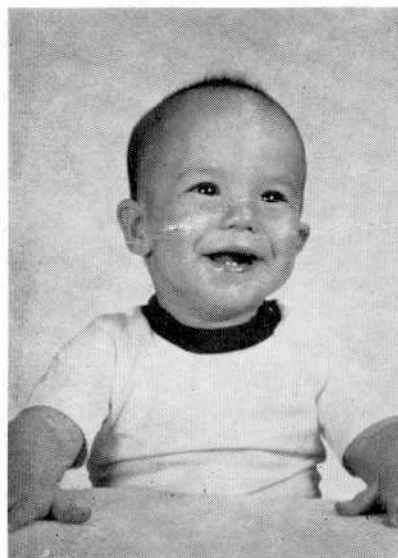
Members and guests are welcomed at tomorrow's meeting.

## Dunlap, Postma Talk Set In Thermonuclear

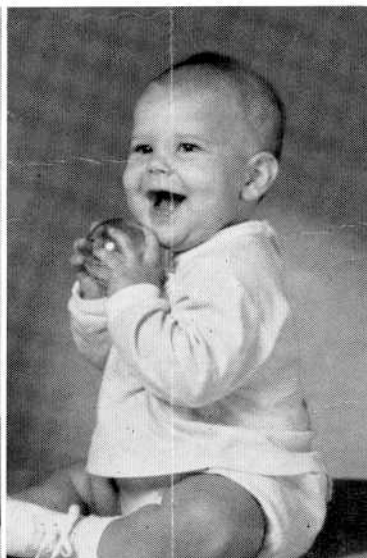
J. L. Dunlap and Herman Postma will lead this week's Thermonuclear Division seminar. Their subject will be "Instability Made Assignment for DCX-1."

The seminar is set for Thursday, December 9, at 9 a.m. in the TD Conference Room, Building 9201-2.

That's Thursday, December 9, at 7:30 p.m. in the Ridge Recreation Hall.



CHARLES WAYNE MOORE, left, and Michael Todd Burchfield are the grandsons of J. D. Tolliver, Utilities Administration. Chuckie and Mike live in Powell and Knoxville, respectively . . . not too far away for grandpop to visit.



A GLAD ANGEL for those who like to make their own Christmas decorations. This little creation is made from Glad Wrap . . . and decorated with real or artificial flowers for that holiday table.

## 'Glad' Angel Can Brighten Tables During Christmastide

For those who like to make their own Christmas decorations, here's a charming, easy-to-make Christmas angel. The secret ingredient—new Textured "Glad" wrap.

A triangle of brightly colored cardboard covered with wrap and secured on the back with transparent tape forms the body; two smaller triangles, attached at the neck, become the sleeves.

To create ruffles, measure off lengths of wrap, fold over, gather where edges meet and tape.

The head is a styrofoam ball attached with a popsicle stick. Draw on features with crayon; use sequins for eyes. Hair is made by folding a two-inch strip of wrap and cutting folded edge every one-quarter of an inch to form loops.

Cut wings and crown out of gold paper, hands from white paper.

Glue on sequins and gold glitter for decorations. Green or artificial flowers add a colorful touch to the crown.

## Y-12 Milestones

Mid-December marks important milestones with Union Carbide Corporation for many more Y-12ers. Congratulations.

### 20 YEARS

Charles C. Bridges, Chemical Services, December 12.

Alva L. Fischer, Estimating and Tooling Coordination, December 12.

Clyde A. Cook, Fire Department, December 13.

William H. Wright, Beta Two Forming, December 13.

### 15 YEARS

Harley H. Law, General Machine Shop, December 8.

William T. Fry, Process Maintenance, December 8.

Benjamin F. Smith, Buildings, Grounds and Maintenance Shops, December 8.

Amos L. Hensley, Machine Maintenance, December 8.

Charles F. Laymance, Casting Department, December 8.

Charlie H. Crass, Dimensional Inspection, December 11.

George W. Puckett, General Metal Fabrication Shop, December 11.

Fred E. Crowder, General Metal Fabrication Shop, December 11.

Thomas E. Hillard, Microreproduction and Engineering Services, December 11.

William M. Simpson Jr., As-

sembly Operations, December 11.

Charles H. Oaks, Guard Department, December 11.

Robert G. McGlothlin, 9215 Rolling Department, December 11.

Fletcher H. DeFord, Research Services, December 12.

Lawrence E. Sikes, Process Maintenance, December 12.

Truman H. Coulter, Casting Department, December 12.

Alice W. Hair, Casting Department, December 13.

John M. Smith Jr., Chemical Services, December 13.

Bert E. Burdette, Research Services, December 13.

Fred H. Rascoe Jr., Research Services, December 13.

William F. Sharp, General Machine Shop, December 13.

Ray G. Perkins, Guard Department, December 14.

Burl R. Price, Research Services, December 14.

Robert E. Hart, Process Maintenance, December 14.

### 10 YEARS

Benny H. Samuel, H-2 and F-Area Shops, December 9.

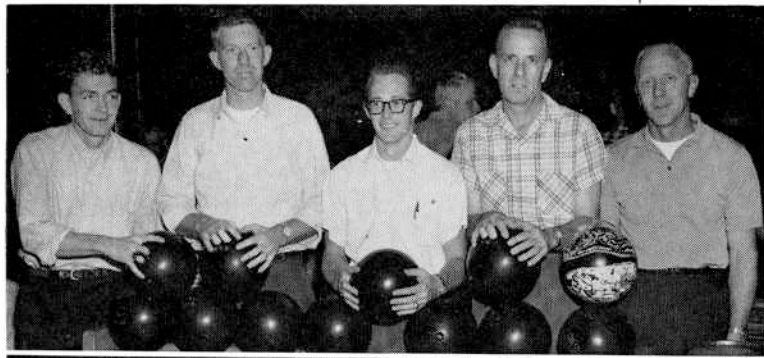
Charles E. Love, Beta Two Shop, December 10.

Glenn V. Wells, Mechanical Inspection, December 12.

Robert C. Anderson, Metallurgical Development, December 12.

Herbert L. Huff, Research Services, December 14.





BUSH BOWLERS BOAST the above two fine teams . . . the Beavers and the FLUBS. The Beavers in the top pix, left to right, are John Austin, Hugh Richards, Tom Watts, J. L. Spray and Captain Roger Cloyd. In the lower photo are the FLUBS . . . Dave Baldwin, Joe Pesterfield, John Harding, Captain Jim Bryson and Howard Horne.

## Reagents Creep Toward First Slot In Bush Bowling, Downing The Outcasts

The Reagents moved up toward the magic circle in Bush Bowling, trouncing the Outcasts for the full count. Another four-point win was earned as the Untouchables sailed past the FLUBS. The Beavers, still a point and a half out in front, took three from the Dry Hides.

John Harding, FLUBS, posted a high single game of 214, boosted to a 249 with his handicap added. Harold Perdue, Reagents, took a 545 scratch series, and Bill Cofer,

Outcasts, cast a 641 handicap series.

The Dry Hides handled high singles . . . 848 scratch, 1033 handicap . . . while the Reagents racked up high series counts . . . 2431 and 2956.

League standings follow:

Team	W	L
Beavers	22½	13½
Reagents	21	15
Outcasts	19	17
FLUBS	17	19
Untouchables	16	20
Dry Hides	12½	23½

## Big 5 Extend C Bowling Lead

The Big Five moved out into a healthier lead in C Bowling circles last week, thanks to a three-point win over the Invalids. The Strikers and Rounders moved up to tie the Rollmasters for second place. The Strikers struck a three-point landing at the expense of the Sunflowers and the Rounders belted the Rollmasters by the same count. A four-point win went to the HiLifers over the Shud - A - Beens. The Fireballs felled the Rodders, and the Parbusters bettered the Badgers, both by three points.

Ed Beeler, Strikers, had a high game of the night . . . 230 scratch, 258 handicap. Ray Galford, Big Five, took a 597 scratch series, and A. T. Gladson, Strikers, struck a high 673 handicap series.

The HiLifers were high on singles, 936 scratch 1098 handicap. The Big Five scratched in series with 2560 . . . and the HiLifers returned to the boards with a 2995 handicap series.

League standings follow:

Team	W	L
Big Five	33	15
Rollmasters	28	20
Strikers	28	20
Rounders	28	20
HiLifers	26	22
Rodders	24	24
Badgers	22	26
Fireballs	22	26
Invalids	21	27
Parbusters	20	28
Shud-A-Beens	18	30
Sunflowers	18	30

## Table Tennis Sees Many Clean Sweeps

Four of the five contests held in Table Tennis League last week were clean sweeps. Jim Carter conquered G. W. Brewer; Loyd Wyatt went over F. Kertesz, W. B. Motley felled Ed Gambill and Roy Huddleston hurdled past A. J. Norris . . . all for the full five-game count.

W. D. Jones, forerunner, took four from Bill Maddux.

League standings follow:

Player	W	L
W. D. Jones, ORNL	17	3
L. E. Wyatt	20	5
R. L. Huddleston	19	6
W. B. Motley	19	6
M. E. O'Hara	10	5
W. A. Maddux	16	9
A. J. Norris	10	15
Jim Carter, ORNL	8	12
G. W. Brewer	8	17
Ed Gambill	8	17
J. Lewin, ORNL	0	15
F. Kertesz, ORNL	0	25

## Worrying Over Things Merely Complicates It

Worrying about your family, or finances, or the state of the state while operating machinery can really give you something to worry about. Experience throughout mankind's history shows that most worries are needless. It doesn't help any either. If you're concerned about your health, consult a doctor. Try to distinguish between the unimportant and important; don't make mountains out of mole hills. In other words, forget it!

## B Shift Planning Big Turkey Shoot

B Shift is staging a big holiday turkey shoot . . . all set for Saturday, December 18. Firings will begin at 10 a.m. at the Oak Ridge Sportsmen's Association.

There will be two winners for each relay . . . one will take a turkey and one a ham. There will also be a drawing for a free turkey after each five relays. Five big door prizes will also be given away at 11 a.m., 12 noon and 1 p.m.

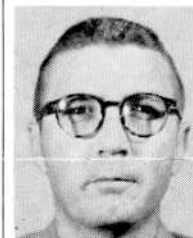
Free coffee and donuts will be available on the grounds. Spin board charges are 25 cents per and you do not have to be present to win on this one.

There will be two special relays for children 16 and under . . . and one relay for women . . . so bring the family along. Teach them how to shoot . . . and bring home a turkey for Christmas.

That's Saturday, December 18 . . . at 10 a.m. in Oak Ridge.

## Lively Swingster Alive On Alleys

The Swingsters swung harder into the lead in the Classic Bowling group last week, thanks to fancy alleywork from all teammates, particularly C. R. Lively. They took three points at the expense of the Markers. Four points went to the Cubs over the Tigers and the Rebels over the Screwballs. The rest of the games fell via the three-point route.



C. R. Lively

The Rippers roared past the Wolves, the Has Beens swept past the Bumpers, the All Stars sped away from the Smelters, the Splinters sailed past the Wasps and the Eightballs edged by the Playboys.

Lively took most honors in individual bowling. His 245 scratch, 271 handicap game was high in singles . . . and his 574 scratch series was high. He and Lee Horton, Cubs, tied with a 652 handicap series.

The Swingsters posted high singles of 971 and 1083. Their 2593 was high in scratch series count . . . but the Cubs captured handicap series highs with 3009.

League standings follow:

Team	W	L
Swingsters	36	16
Rippers	31½	20½
Wolves	28	24
Wasps	28	24
Has Beens	28	24
All Stars	28	24
Markers	26½	25½
Bumpers	26	26
Tigers	26	26
Screwballs	25	27
Cubs	25	27
Rebels	25	27
Splinters	24	28
Eightballs	24	28
Playboys	23	29
Smelters	16	36



Ride wanted or will join car pool from Fountain City area, Knoxville, to East Portal, straight day. R. K. Holbert, plant phone 3-5445, home phone Knoxville 689-9395.

Ride wanted from Oak Ridge Trailer Court (Edgemoor Highway) to Biology Portal, straight day. Gail Smith, plant telephone 3-7791.

Ride wanted from Keystone Lane, Oak Ridge, to Central Portal, straight day. George McPherson, plant telephone 3-7272, home telephone 483-4853.



AN UP-AND-COMING team in the Y-12 Mixed Bowling League are the above alleymen and women . . . the Mustangs. From left are Roy Worley, George Cantrell, Mildred Morris and Irene Carmack. (One reason the men look smaller than the women . . . that's two photos montaged together!)

## Recreation



Friday, December 10

'Holiday Magic' — Maintenance Division dinner-dance . . . 7 p.m., Oak Ridge Country Club.

Monday, December 13

BASKETBALL: Beginning 6:30 p.m., Oak Ridge High School Gym, Isotopes vs. Fearless Five; Metals & Ceramics vs. Nats; Bombers vs. Has Beens.

BOWLING: C League, 5:45 p.m., Bush League, 8 p.m., Ark Lanes.

TABLE TENNIS: 7 p.m., Wild Cats Den, Oak Ridge.

PISTOL LEAGUE: 7:30 p.m., Anderson County Gun Club.

Tuesday, December 14

PHYSICAL FITNESS: 7:30 p.m., Oak Ridge High School Gymnasium.

Wednesday, December 15

BOWLING: Mixed League, 8 p.m., Ark Lanes.

BASKETBALL: Beginning 6:30 p.m., Jefferson Junior High School, Fearless Five vs. Has Beens; Bombers vs. Losers; Isotopes vs. The Fungi.

Thursday, December 16

BOWLING: Classic League, 5:45 p.m., Ark Lanes.

VOLLEYBALL: Beginning 6:30 p.m., Robertsville Junior High School. Court 1: Bat Boys vs. Reactors, Eagles vs. Neutrinos; Yanks vs. Naughts. Court 2: K-25 Instruments vs. Set-Ups; Mix-Ups vs. Ecobums; Beavers vs. Old Men.

Saturday, December 18

TURKEY SHOOT: B Shift Welcomes all Y-12ers. 10 a.m., Oak Ridge Sportsmen's Association.

Sunday, December 19

SKEET TOURNAMENT: 1 p.m., Oak Ridge Sportsmen's Association.

## Mixed Bowlers Get New Leader

The Blue Angels took a scant lead in the Mixed Bowling League last week by downing the Subs for the full count. The Alley Cats scrubbed three points up at the expense of the Chumps . . . and the Mustangs knocked the Goofers from first place standings with a three-count win. The Better Halves came through with three also from the Twisters.

Verna Peckman, Blue Angels, took singles women's honors, rolling a 170 scratch, 217 handicap game. Irene Carmack, Mustangs, chalked up a 483 scratch, 606 handicap series. Billy Sise, Alley Cats, took scratch honors . . . posting a 186 single, 531 series tally. Jim Young, Blue Angels, tallied in handicap scoring with a 223 single, 626 series.

The Blue Angels took both single highs, rolling scratch at 630, handicap at 812. The Mustangs fired an 1827 scratch series . . . and the Angels returned to the boards with 2283 handicap series.

League standings follow:

Team	W	L
Blue Angels	30	14
Goofers	28	16
Alley Cats	25	19
Mustangs	22½	21½
Better Halves	20	24
Chumps	18½	25½
Subs	18	26
Twisters	14	30

## X-10 Rifle Team Takes Fall Honors

The 10th and final match of the 22 calibre Rifle League was fired recently . . . with the X-10 team taking all top honors.

Y-12 marksmen finished second in the league . . . only one point in front of the Independents.

Leading the squad for Y-12 on the last relay was Jack Huff with a 290.783 handicap score. Art Hensley followed with a 290.557, and G. W. Holcombe fired a 290.-244.

In scratch firing it was Huff with 290 . . . Hensley with 287 . . . and R. J. Spurling with 283.

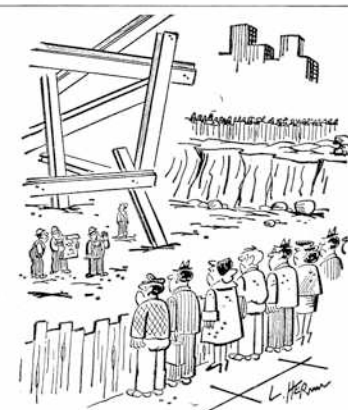
Team firings went: Scratch: Y-12, 1425; X-10, 1443; Independents, 1424. In handicap firing it was, Y-12, 1448.653; X-10, 1453.-926; and Independents, 1447.553.

Final standings follow:

Team	Points
X-10	51
Y-12	29
Independents	28

## MANNERS & MORALS

Etiquette says to always stir coffee with your right hand. But it doesn't tell you how to keep the sugar from getting under your fingernails.







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**NUCLEAR DIVISION**

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## Last Chance For Tickets For Kids' Christmas Parties

The application below for tickets for the Kiddies' Christmas Parties will not be repeated in the Bulletin. This is the last call for applications for the big December 22 parties.

Times for the happy events are 9 and 11 a.m.; 1, 3 and 5 p.m. Wednesday, December 22.

Gee Gee and her trained Alaskans will be on hand to enhance the old Santa visit . . . and there will be the usual collection of color cartoons, singing and merry-making in general.

Don't disappoint that boy or girl. Fill in the application below completely, and return to the Recreation Department.

Hundreds of tickets have already been mailed out . . . and choice times have already been exhausted. Thus, you should show a second choice of time . . . so that ticket-handlers will know which ticket to send. Adults require tickets, as well as the youngster . . . so be sure and indicate how many of each you need.

The parties are, of course, free . . . but a ticket is required. So before you forget it, clip the coupon below and mail it back. Plant mails may be used to mail the applications in. The tickets will be mailed to your home.

Hang on to those tickets, too! You'd be surprised at the number

of people who lose theirs.

**Note: Please do not ask for 11 a.m. tickets. The allotted number for that time has been exhausted. No more tickets for 11 a.m. will be made available. The High School auditorium is limited as to the number it will hold for each party. The 11 a.m. time is already filled to capacity.**



**ANNOUNCING** the birth of little Laura Beth Sanders, on October 4, at St. Mary's Hospital. Laura is the new daughter of Mr. and Mrs. James Ray Sanders. Proud papa is in Y-12's Dimensional Inspection.

## 'Lights On' During New York Black-Out

During the recent black-out in the East, Union Carbide's building emergency system lights provided protection for over 800 employees. Among the employees who spent the night in the 'home office' were corporation and division employees and a cross-section of staff and secretarial employees. The emergency power provided light for office corridors and was also used to operate such vital services as two elevators. No one was trapped in elevators for any length of time. Teletype service was also in operation. Employees who spent the night were given coffee and sandwiches by the food service department and the staff of the building and personnel departments directed people to locations in the building where temporary accommodations could be made to stay overnight. The medical department was available for emergency treatment. However, fortunately, no one needed medical attention.

The main office of Union Carbide Corporation was one of the few commercial buildings in New York City equipped to cope with the situation. The building has a 350-kilowatt diesel engine generator for emergency power.

## Harrington Son-In-Law Honored By Air Force

Bruce C. Harrington, Research Services, is beaming these days over honors picked up by his son-in-law, Captain Clyde T. Bolen Jr. Bolen was recently named Air Training Command's Pilot Instructor of the Year. He was selected by a board of senior officers and is now serving as academic instructor at Craig Air Force Base, Alabama.

The Aerospace Education Foundation awarded him the AFA Presidential Citation certificate at a regional meeting in El Paso, Texas. Captain Bolen and his wife Betty have three children.

Seat belts can and do save lives.



PRESENTING THE MIDGETS (13 and under, not to weigh more than 120 pounds) in Oak Ridge's big Boys' Club. In the first row, from left, are Terry Marlar (W. C.); Kenny Henson (F. W.), and Dennis Dorr (C. H.). In the second row are Wade Henson (F. W.), Eddie Harrison (E. B.), Tommy Miner (J. E.), and Terry Messer (T. J.).

## LSU Awarded Contract To Study Shellfish

The Atomic Energy Commission's Oak Ridge Operations has awarded Louisiana State University a \$62,043 contract to conduct studies on the preservation of shellfish by nuclear radiation.

Low-dose irradiation kills or retards the reproduction rate of the bacteria which causes rapid spoilage of the shellfish. Earlier tests conducted by LSU have shown that radiation-pasteurized shrimp have an increased ice-storage life of at least two weeks over unirradiated shrimp stored in the same manner.

## Belgian Plastics Set For Expansion

Union Carbide Corporation has announced plans for expanding its Belgian plastics manufacturing subsidiary, Cobename, S.A., into a major petrochemicals producer in northern Europe. Birny Mason Jr., Union Carbide president, said that Cobename, which previously has been owned jointly with Belgian interests but which is now a 100 per cent Union Carbide company, will build new facilities in Antwerp to produce both chemicals and plastics.



THE GRASSHOPPERS, the smallest boys in the Boys' Club team are seen above (Grasshoppers are nine and under, and cannot exceed 70 pounds in weight). The mighty linemen above are Hugh Christie (H. T.) and Mike Merrell (A. R.). Names of parents are in parentheses.

## Dead-Line For Bulletin Altered For Holidays

The Holiday season approaching us will see a change in the Bulletin deadlines. There remain only two more papers for the year . . . December 15, and December 22. The December 22 will be the last paper out, until January 5, 1966.

If you have meetings or notices you wish inserted in the paper concerning events before January 5, please submit to the Bulletin office right away. Articles must be received by 4:30 p.m. each Thursday before the next Wednesday's publication.

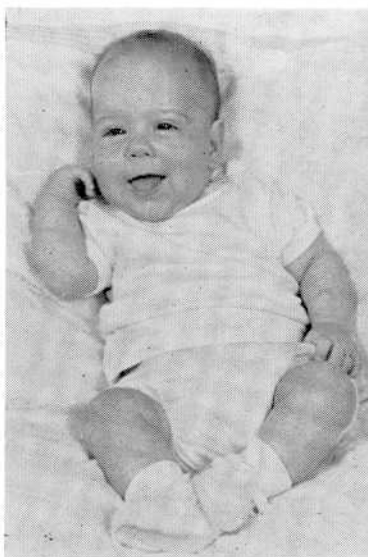
## Inter-Service Committee

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The Inter - Service Committee on Technical Facilities exists to assist scientists, engineers and technicians to get their work done quicker, cheaper and more effectively.

In addition to the Southeastern USA section, there is a western group and another group from Washington, D.C., which serves the northeast.

Drive safely. Your wife and kids want you home tonight.



**THIS HAPPY** four-months old chap is David Shane Collins, son of Mr. and Mrs. W. C. Collins. Papa is in Y-12's General Weld Shop.

## Application For Tickets TO Christmas Parties

FOR CHILDREN OF CARBIDE EMPLOYEES  
(Ages Two-10 Only)

WEDNESDAY, DECEMBER 22

Employee's Name \_\_\_\_\_ Badge No. \_\_\_\_\_

Home Address \_\_\_\_\_

(PLEASE PRINT — STREET ADDRESS OR R.F.D., CITY)

NUMBER OF TICKETS (Children) \_\_\_\_\_

NUMBER OF TICKETS (Adult) \_\_\_\_\_

— CHECK TIME PREFERRED —

Wednesday, December 22 9 A.M. \_\_\_\_\_ 11 A.M. \_\_\_\_\_

Only 1 P.M. \_\_\_\_\_ 3 P.M. \_\_\_\_\_ 5 P.M. \_\_\_\_\_

Please check first and second choice (write in space "1" or "2") as only a limited number of tickets will be issued for each party. Preference will be given early applicants and if tickets for first choice are exhausted, tickets for second choice will be issued.

Return this form, properly and completely filled in, **immediately to the Y-12 Recreation Office, Room 108, Bldg. 9704-2, NOT LATER than December 17.** The required number of tickets will then be mailed to parents at their **HOME ADDRESS.**